

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3/21/78	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 3-14-78		Total Depth 2894		Plug Back TD 2852		Elevation 5844	
Farm or Lease Name Usselman Gas Com C		Well No. 1					
Chg. Size 4.500	Wt. 10.5	d 4.052	Set At 2983	Perforations: From 2654 To 2726		Unit Sec. Twp. Rge. E 4 31 10	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 2752	Perforations: From Open To Ended		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	Gg .63	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days						640		640		
1.	2.375	0.750					355	60	360		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		367	1.000	.9608	1.037	4521
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²
1		372	138384	286720
2				
3				
4				
5				

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = \underline{1.4826}$

AOR = Q · $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = \underline{6319}$

(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = \underline{1.3976}$

Absolute Open Flow 6319 Mcfd @ 15.025	Angle of Slope 85
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Remarks: _____

Approved By Commission	Conducted By T. H. Oliver	Calculated By TMO/WRB	Checked By J. L. Krupke
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